

Replacement Sheet
U.S. Serial No. 10/026,144
1/12

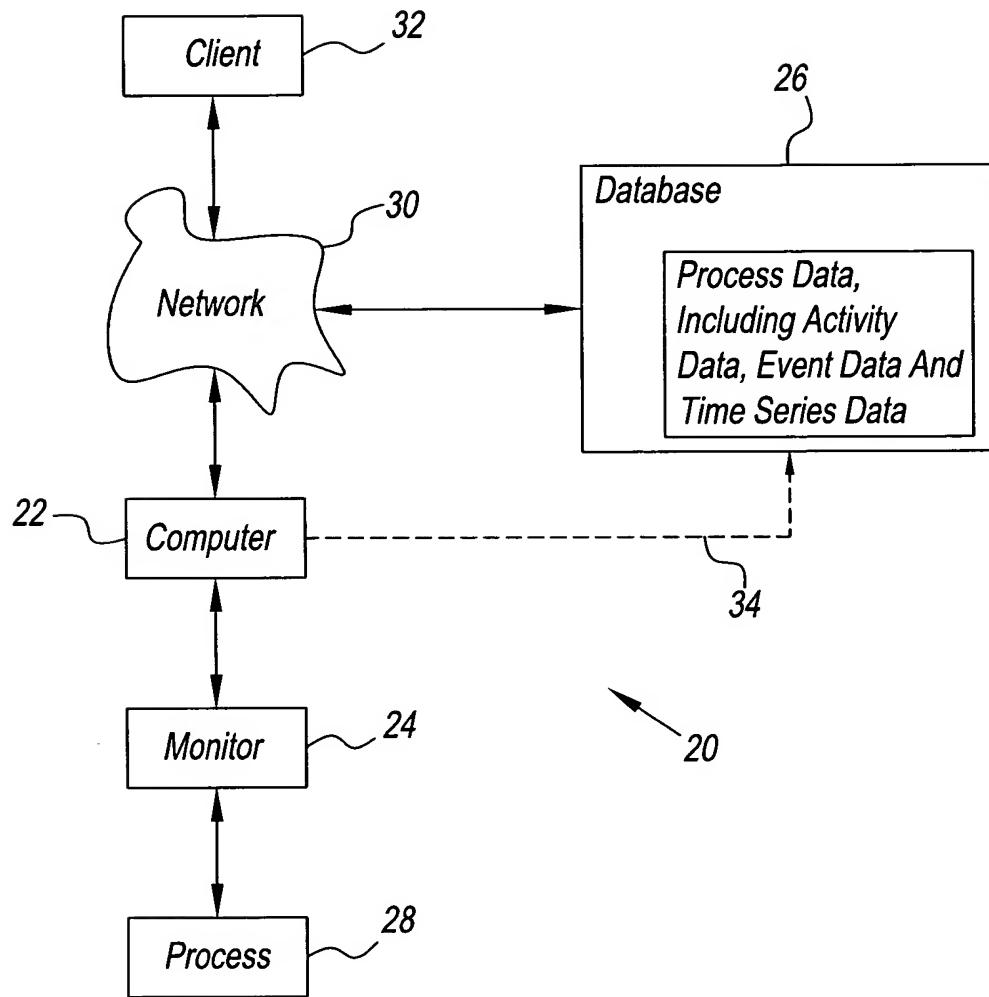


Fig. 1

Replacement Sheet
U.S. Serial No. 10/026,144
2/12

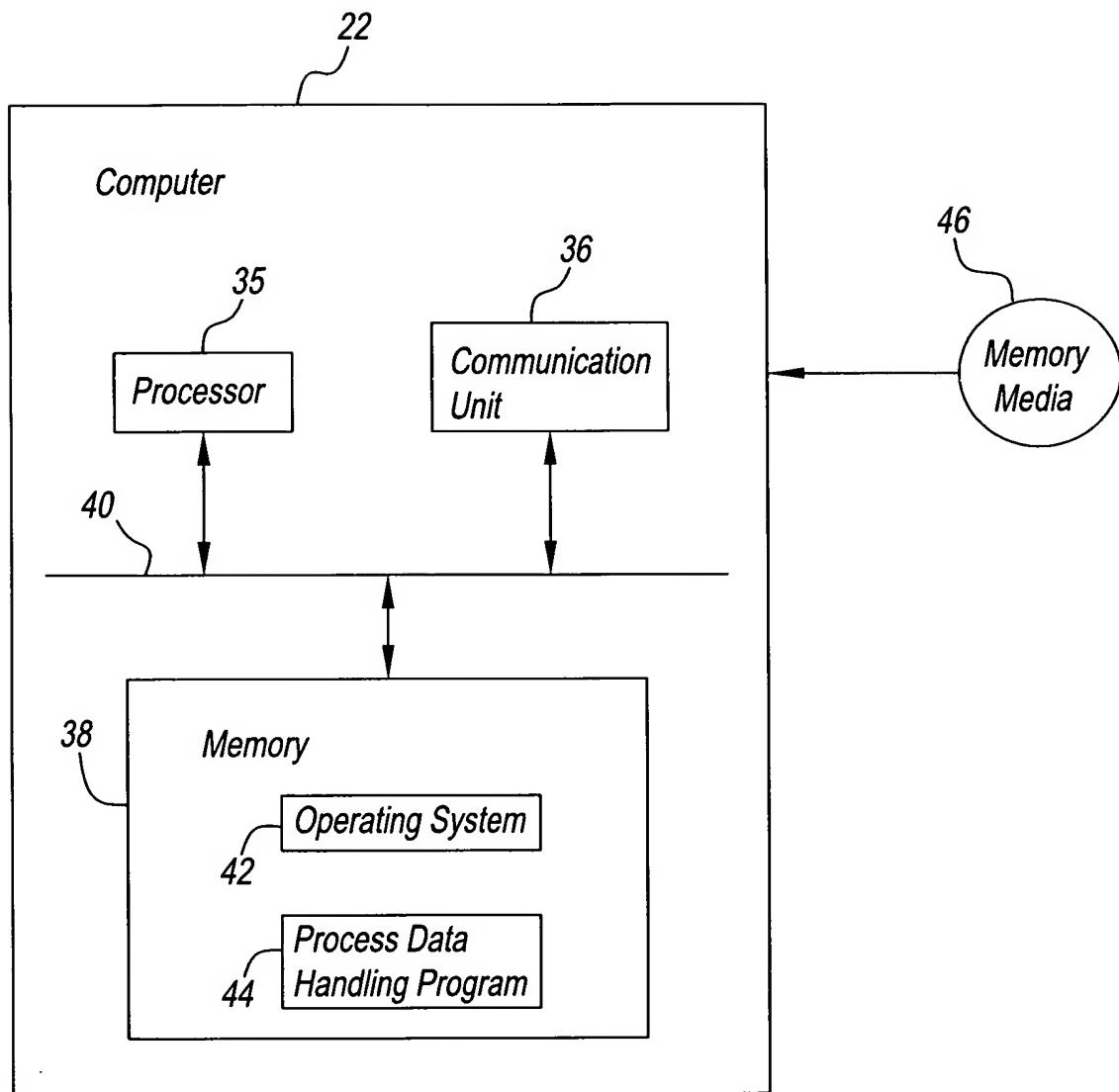


Fig. 2

Replacement Sheet
U.S. Serial No. 10/026,144

3/12

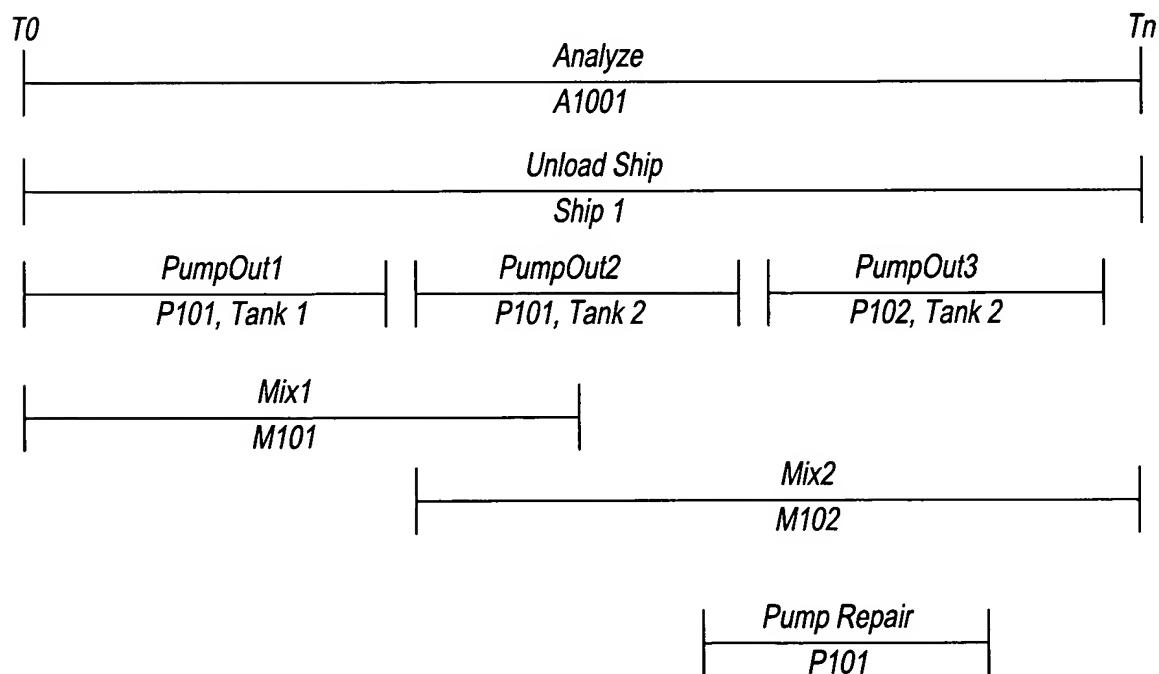
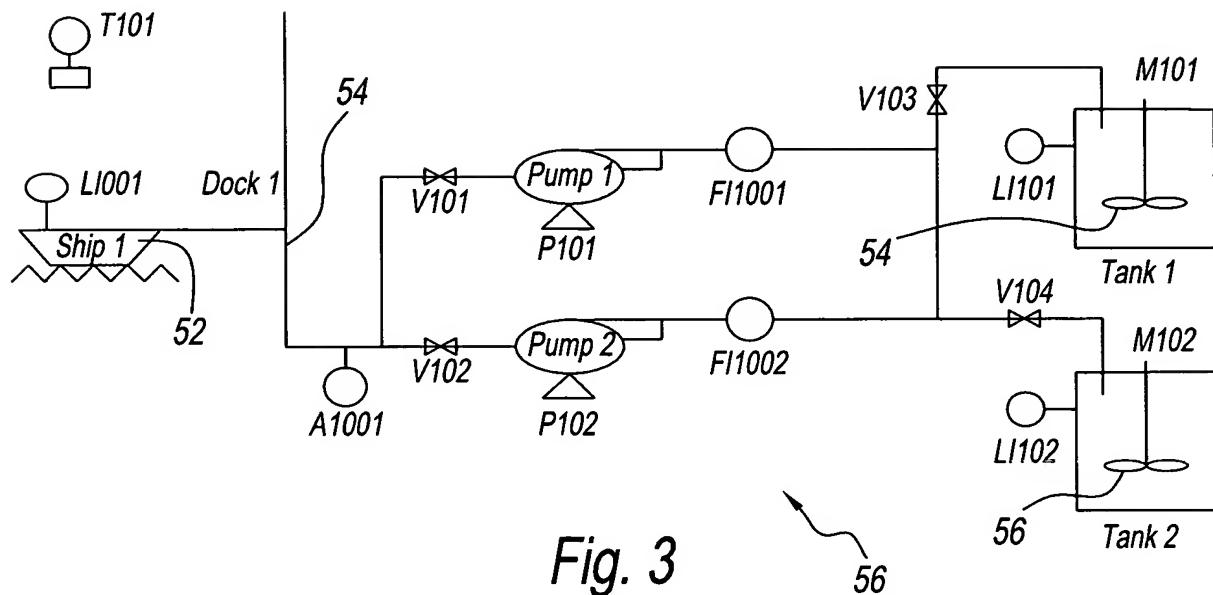


Fig. 4

Replacement Sheet
U.S. Serial No. 10/026,144
4/12

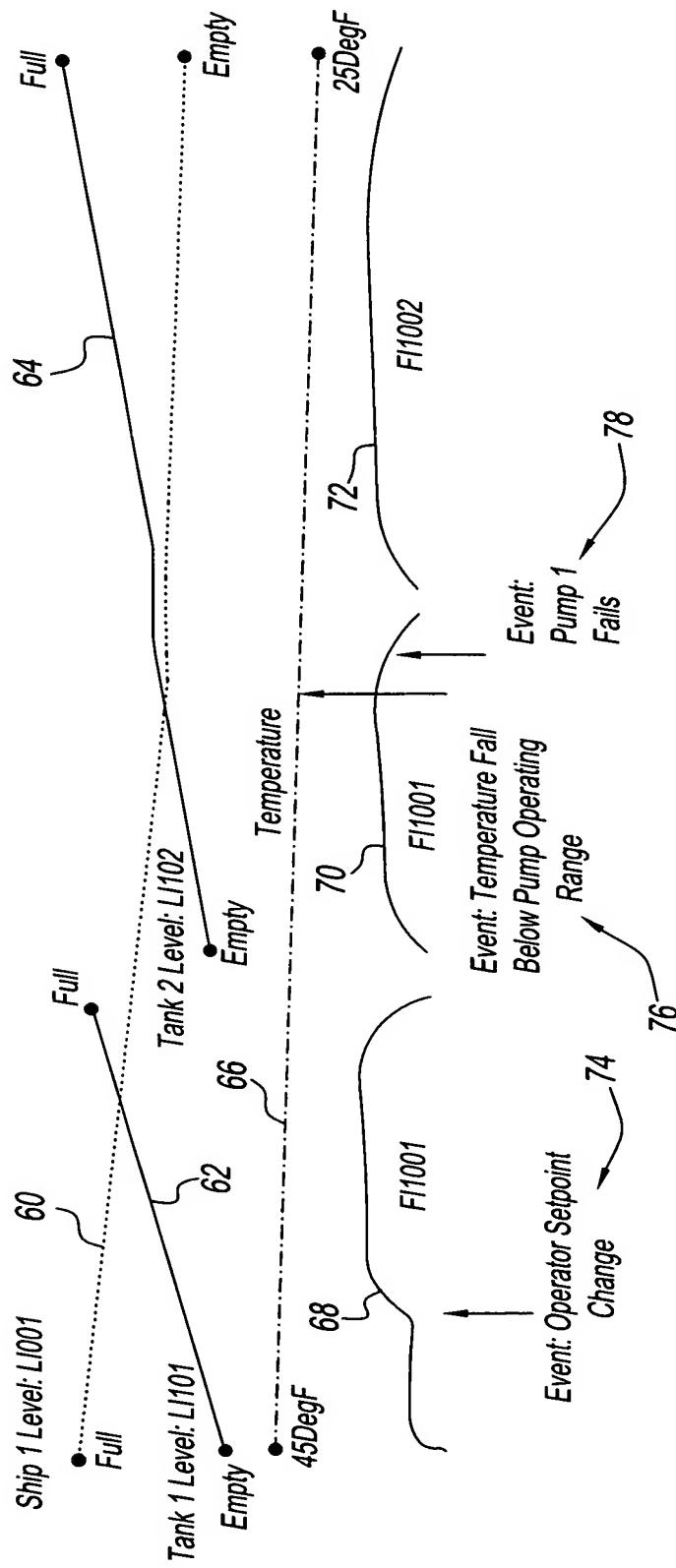


Fig. 5

Replacement Sheet
U.S. Serial No. 10/026,144
5/12

		Activity Type	Attribute Name	Static	Default Value
		UnitOperation	StartTime EndTime ID Equipment FlowRate AccumValue Source	N N N N N N N Y	ProdSystem
		Event Type	Attribute Name	Static	Default Value
		Alarm	TimeStamp Resource Message State Source	N N N N N Y	OprSystem
		OprChg	TimeStamp Operator Resource Message Command Source	N N N N N N	

Fig. 6

Replacement Sheet
U.S. Serial No. 10/026,144
6/12

Event Type	Time Stamp	Operator	Resource	Message Speed	Command	Source
OprChg	8/17/2000 11:35AM	FRED	P101	RedTag	OutOfService	MaintSystem
OprChg	8/17/2000 1:35PM	FRED	P101	RedTag	InService	MaintSystem
Activity Type	Start Time	End Time	ID	Equipment	FlowRate	AccumValue
PumpOut	8/17/2000 10:00AM	8/17/2000 10:55AM	PumpOut1	Tank1	FI1001.PV	150,000
PumpOut	8/17/2000 11:05AM	8/17/2000 11:45AM	PumpOut2	Tank2	FI1001.PV	65,000
PumpOut	8/17/2000 12:05PM	8/17/2000 2:05PM	PumpOut3	Tank2	FI1002.PV	85,000
Event Type	Time Stamp	Resource	Message	State	Source	
Alarm	8/17/2000 11:35AM	T101	LowTemp	On	OprSystem	
Alarm	8/17/2000 11:40AM	P101	PumpFail	On	OprSystem	
Alarm	8/17/2000 11:45AM	P101	PumpFail	Off	OprSystem	
Event Type	Time Stamp	Operator	Device	Message	Command	Source
OprChg	8/17/2000 10:20AM	JOE	P101	Speed	50	OprSystem

Fig. 7

Replacement Sheet
U.S. Serial No. 10/026,144
7/12

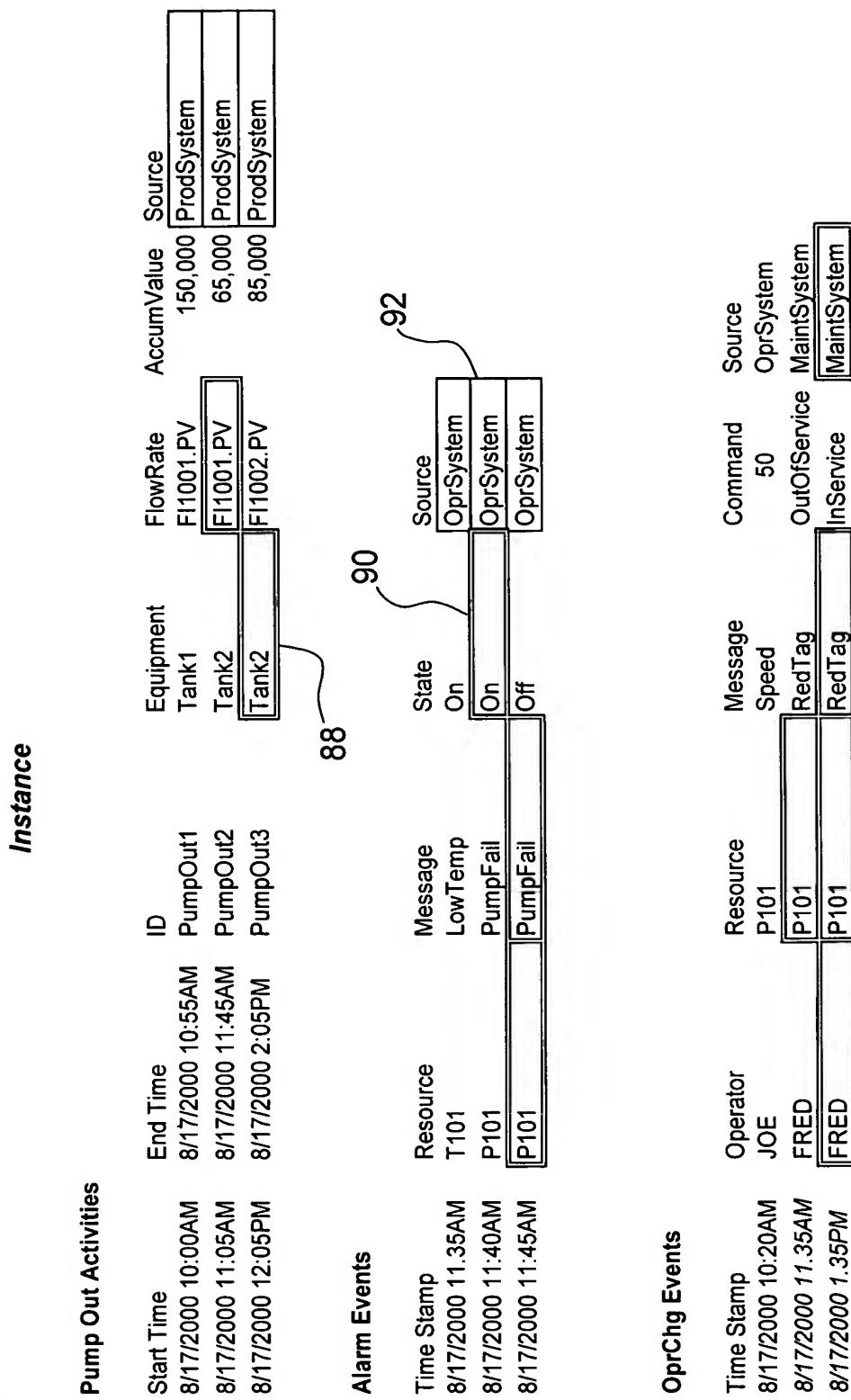


Fig. 8

Replacement Sheet
U.S. Serial No. 10/026,144
8/12

Retreival

Rows

Event Type	Time Stamp	Attribute Name	Attribute Value
		Resource	T101
Alarm	8/17/2000 11.35AM	Message	LowTemp
		State	On
		Source	OprSystem
		Resource	P101
Alarm	8/17/2000 11.40AM	Message	PumpFail
		State	On
		Source	OprSystem
		Resource	P101
Alarm	8/17/2000 11.45AM	Message	PumpFail
		State	Off
		Source	OprSystem
		Operator	JOE
		Resource	P101
OprChg	8/17/2000 10:20AM	Message	Speed
		Command	50
		Source	OprSystem
		Operator	FRED
		Resource	PMP101
OprChg	8/17/2000 10:35AM	Message	RedTag
		Command	OutOfService
		Source	MaintSystem
		Operator	FRED
		Resource	PMP101
OprChg	8/17/2000 1:35PM	Message	RedTag
		Command	InService
		Source	MaintSystem

Fig. 9

Replacement Sheet
U.S. Serial No. 10/026,144
9/12

Event Type	Time Stamp	Operator	Resource	Message	Command	State
Alarm	8/17/2000 11:35AM		T101	LowTemp		On
Alarm	8/17/2000 11:40AM		P101	PumpFail		On
Alarm	8/17/2000 11:45AM		P101	PumpFail		Off
OprChg	8/17/2000 10:20AM	JOE		Speed	50	
OprChg	8/17/2000 10:35AM	FRED	PMP101	OutOfService		
OprChg	8/17/2000 11:35AM	FRED	PMP101	InService		

Fig. 10

Activity Type	End Time	ID	AccumValue
PumpOut	8/17/2000 10:55AM	PumpOut1	150,000
PumpOut	8/17/2000 11:45AM	PumpOut2	65,000
PumpOut	8/17/2000 2:05PM	PumpOut3	85,000

Fig. 11

Replacement Sheet
U.S. Serial No. 10/026,144
10/12

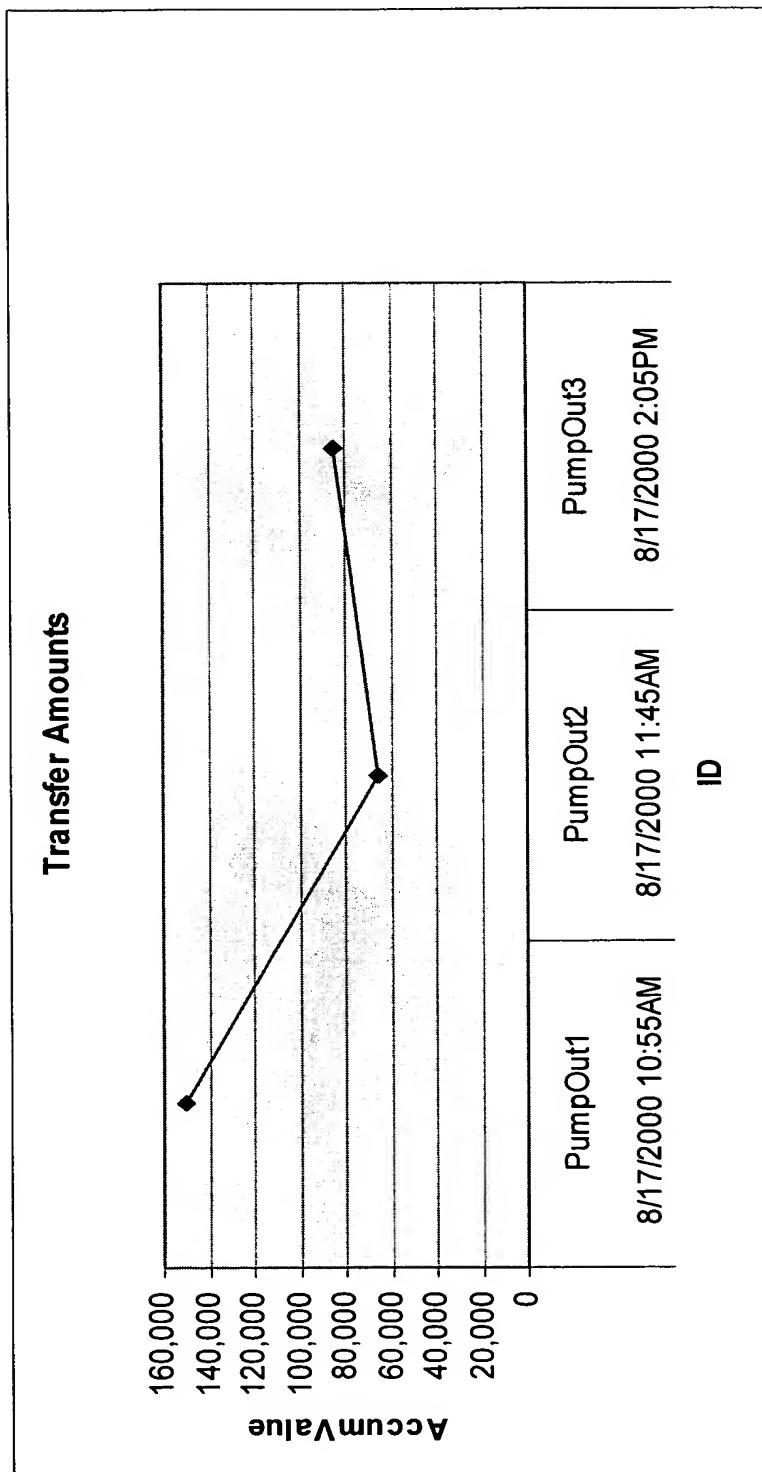


Fig. 12

Replacement Sheet
U.S. Serial No. 10/026,144
11/12

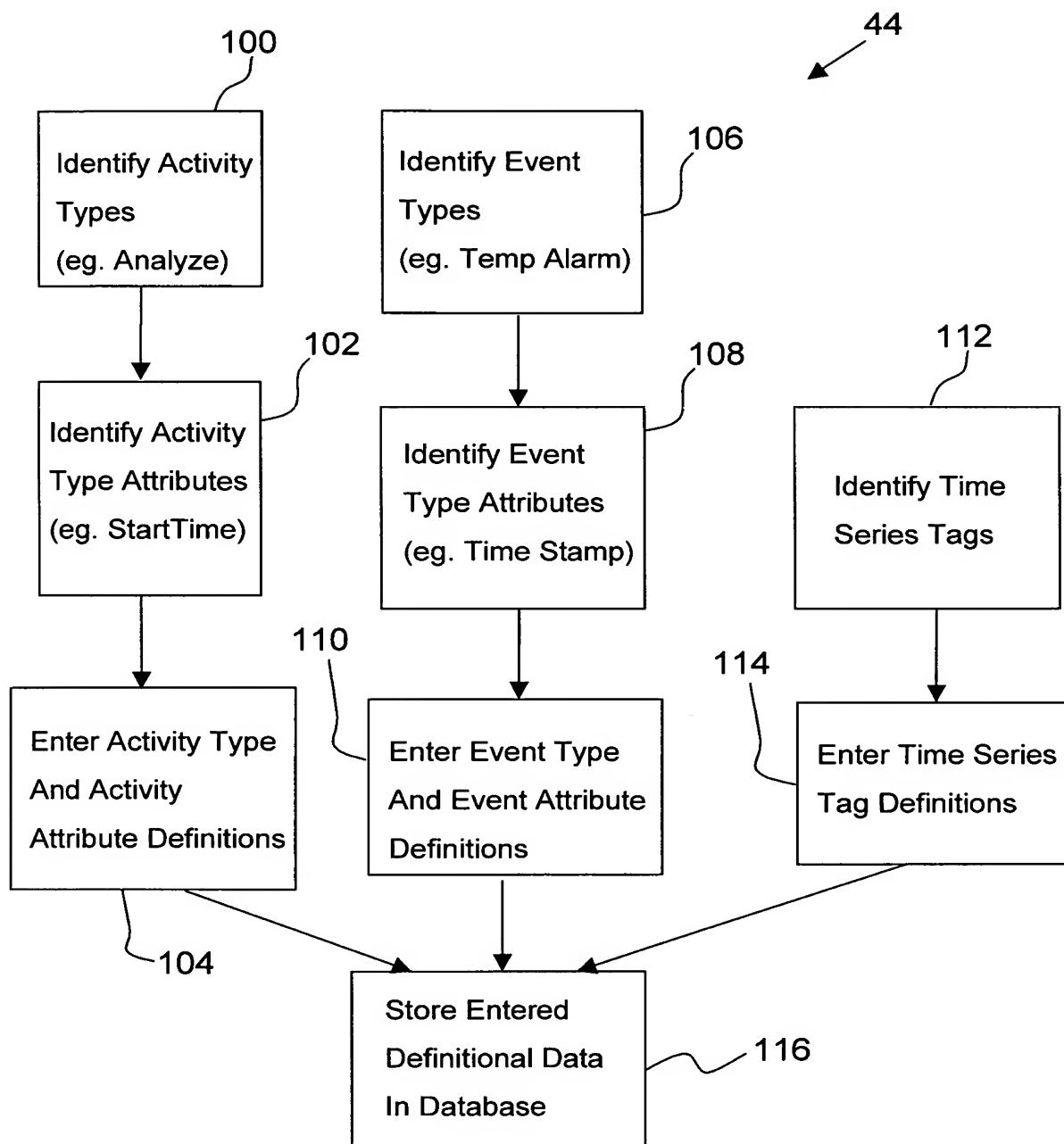


Fig. 13

Replacement Sheet
U.S. Serial No. 10/026,144
12/12

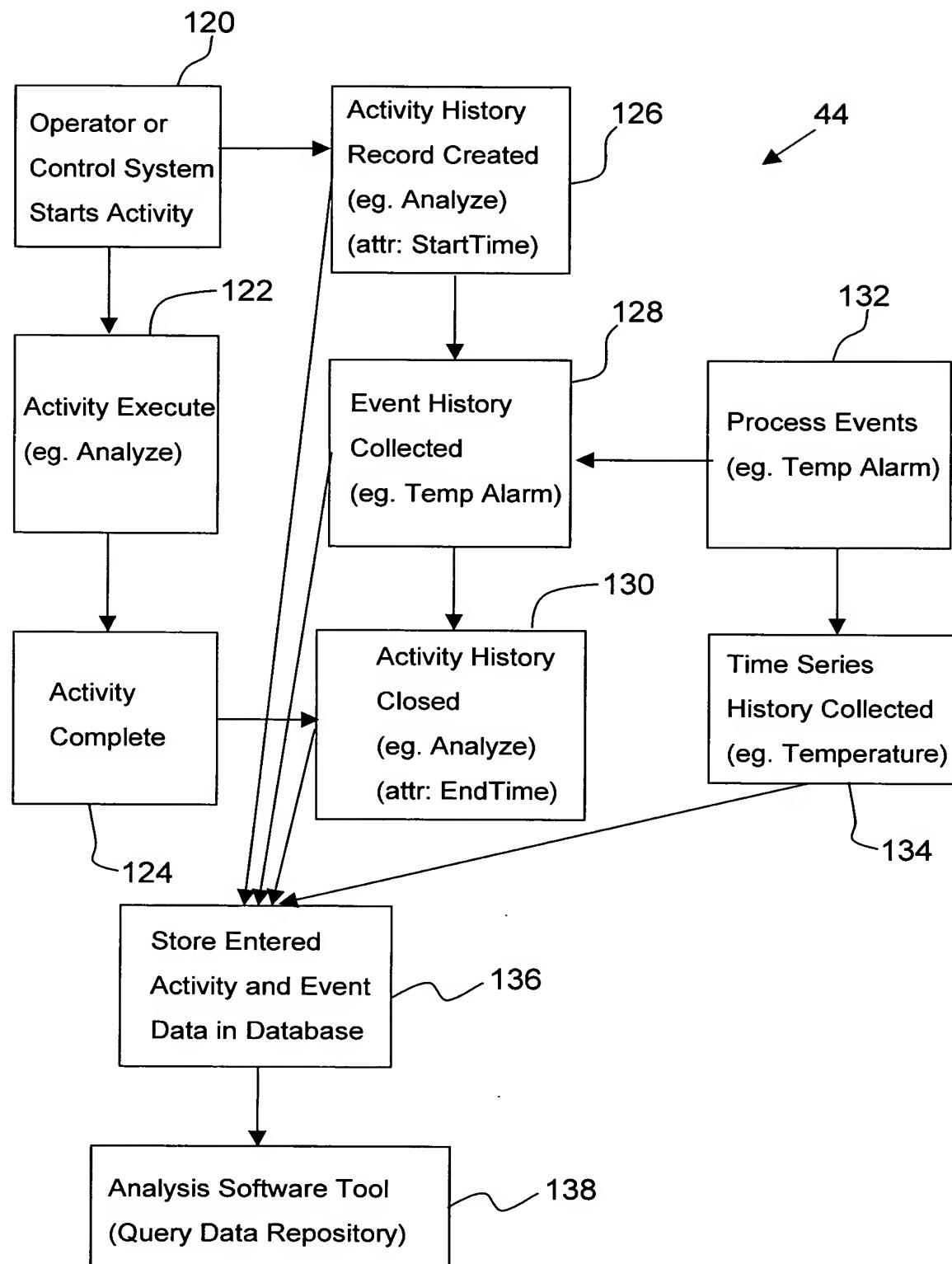


Fig. 14